

Appl. No. 10/686,367
Amdt. dated August 18, 2004
Reply to Office Action of July 1, 2004

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A method for manufacturing an electro-optic modulator structure comprising:
 - providing a glass substrate with a regularized surface;
 - ~~placing a collar fixture around on the glass substrate to regularize its surface;~~
 - spin coating a sensor material onto the ~~collared structure~~ regularized surface with controlled evaporation and absent an adhesive to obtain a coated substrate;
 - ~~cleaning the edges of the coated substrate of excess emulsion;~~
 - spin coating a water-based emulsion as an adhesive layer onto the sensor material of the coated substrate to obtain an adhesive coated substrate; and
 - laminating a pellicle ~~into~~ onto the adhesive coated substrate.
2. (Currently amended) The method according to claim 1 wherein the sensor material is polymer dispersed liquid crystal ("PDLC").
3. (Original) The method according to claim 1 wherein the sensor material is a solvent-based PDLC.
4. (Original) The method according to claim 1 wherein the spinner ~~bowl~~ bowl is at least partially sealed.
5. (Original) The method according to claim 1 wherein the evaporation is controlled by spin speed, ambient pressure and distance between substrate and flat spin coater cover.
6. Canceled.
7. (Original) The method according to claim 1 wherein accelerated evaporation time is between about 2 minutes and 8 minutes for a 5 ml deposition.

Appln. No. 10/686,367
Amdt. dated August 18, 2004
Reply to Office Action of July 1, 2004

PATENT

8. (New) The method according to claim 1 wherein the providing step includes placing a collar fixture around the glass substrate to regularize its surface.

9. (New) The method according to claim 1 further including the step of cleaning edges of the coated substrate of excess sensor material.